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Product datasheet for RC211778

SFRS14 (SUGP2) (NM_001017392) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SFRS14 (SUGP2) (NM_001017392) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SFRS14
Synonyms:	SFRS14; SRFS14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC211778 representing NM_001017392
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGCCAGACGAATTACACAGGAGACTTTTGATGCTGTATTACAAGAAAAAGCCAAACGATATCACA
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ACCCTTCCATCAGTGATGACAGCTACTTTCGCAAAGAATGTGGCCGGGATCTGGAATTTTCTCACTCTGA
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TCTTCTTTCCGGCAGGAGAAAATCTTAGAAGCTGTCGGCCTGCAAGATATAGCTCCCTCACCTGCTGCGT
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC211778 representing NM_001017392
Red=Cloning site Green=Tags(s)

MAARRITQETFDAVLQEKAKRYHMDASGEAVSETLQFKAQDLLRAVPRSRAEMYDDVHSDGRYSLSGSVA
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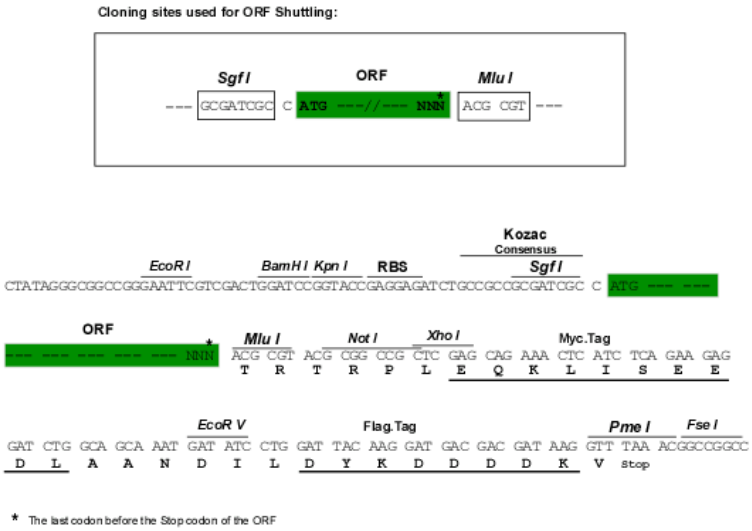
VRIAYDRPRGRPMSKKKKPKDLDFAQQKLTDKNLGFQMLQKMGWKEGHGLGSLGKGIREPVSVGTPSEGE
GLGADGQEHKEDTFDVFRQRMMQMYRHKRANK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8025_c12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001017392

ORF Size: 3246 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: NM_001017392.5

RefSeq Size: 4717 bp

RefSeq ORF: 3249 bp

Locus ID: 10147

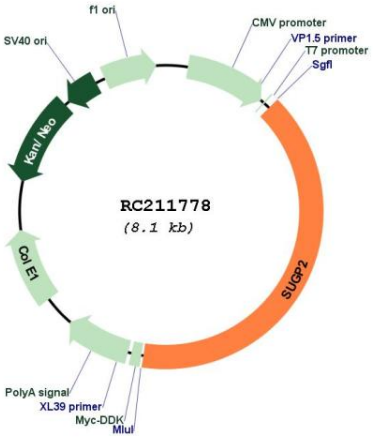
UniProt ID: Q8IX01

Cytogenetics: 19p13.11

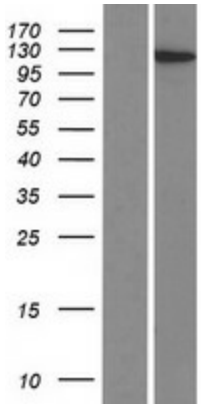
MW: 120 kDa

Gene Summary: This gene encodes a member of the arginine/serine-rich family of splicing factors. The encoded protein functions in mRNA processing. Alternatively spliced transcript variants have been described. [provided by RefSeq, Feb 2009]

Product images:



Circular map for RC211778



Western blot validation of overexpression lysate (Cat# [LY422773]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC211778 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).